

Building Site Development

Carroll County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1C3: Ida-----	95	Very limited Frost action Low strength	1.00 1.00	Not limited		Not limited	
1D3: Ida-----	95	Very limited Frost action Low strength Slope	1.00 1.00 0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
5B: Ackmore-----	60	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
Judson-----	25	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
6: Okoboji-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
8B: Judson-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
8C: Judson-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	

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9: Marshall-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	
9B: Marshall-----	90	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	
9B2: Marshall-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	
9C: Marshall-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	
9C2: Marshall-----	90	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	
9D2: Marshall-----	90	Very limited Frost action Low strength Slope Shrink-swell	 1.00 1.00 0.63 0.50	Somewhat limited Slope	 0.63	Somewhat limited Slope	 0.63
9E2: Marshall-----	90	Very limited Frost action Low strength Slope Shrink-swell	 1.00 1.00 1.00 0.50	Very limited Slope	 1.00	Very limited Slope	 1.00

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11B: Colo-----	60	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Judson-----	25	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
27B: Terril-----	90	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
27C: Terril-----	90	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
28B: Dickman-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	
28B2: Dickman-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	
28C2: Dickman-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
28D2: Dickman-----	90	Somewhat limited Slope	0.63	Very limited cutbanks cave Slope	0.90 0.63	Somewhat limited Slope	0.63
34B: Estherville-----	85	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.36

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34C2: Estherville-----	85	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.36
48: Knoke-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
54: Zook-----	85	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Too clayey	1.00 0.60 0.01	Very limited Depth to saturated zone Flooding	1.00 0.60
55: Nicollet-----	85	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.73	Not limited	
59C2: Burchard-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Not limited		Not limited	
59D2: Burchard-----	90	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
59E2: Burchard-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00

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59F2: Burchard-----	85	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
62C2: Storden-----	85	Somewhat limited Frost action	0.50	Not limited		Not limited	
62D2: Storden-----	85	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
62E2: Storden-----	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
62F: Storden-----	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
62G: Storden-----	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
71D2: Marshall-----	55	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
Dickman-----	30	Somewhat limited Slope	0.63	Very limited cutbanks cave Slope	0.90 0.63	Somewhat limited Slope	0.63

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90: Okoboji-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
95: Harps-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
99C2: Exira-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
99D2: Exira-----	90	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
99E2: Exira-----	85	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
107: Webster-----	85	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
108: Wadena-----	85	Not limited		Not limited		Not limited	

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108B: Wadena-----	85	Not limited		Not limited		Not limited	
108C2: Wadena-----	85	Not limited		Not limited		Not limited	
133: Colo-----	85	Very limited		Very limited		Very limited	
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
133+: Colo-----	85	Very limited		Very limited		Very limited	
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
135: Coland-----	85	Very limited		Very limited		Very limited	
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
138B: Clarion-----	85	Somewhat limited		Not limited		Not limited	
		Frost action	0.50				
138B2: Clarion-----	85	Somewhat limited		Not limited		Not limited	
		Frost action	0.50				
138C: Clarion-----	90	Somewhat limited		Not limited		Not limited	
		Frost action	0.50				

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138C2: Clarion-----	85	Somewhat limited Frost action	0.50	Not limited		Not limited	
138D2: Clarion-----	85	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
179E2: Gara-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
179F: Gara-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
179F2: Gara-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
179G: Gara-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00

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192D2: Adair-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.63
		Low strength	1.00	Slope	0.63	Depth to saturated zone	0.19
		Shrink-swell	1.00	Too clayey	0.41		
		Slope	0.63				
		Depth to saturated zone	0.19				
201B: Coland-----	60	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
Spillville-----	25	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
203: Cylinder-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Shrink-swell	0.50	cutbanks cave	0.90		
		Low strength	0.22				
236C: Lester-----	90	Very limited Low strength	1.00	Not limited		Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
259: Biscay-----	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	0.78				
		Shrink-swell	0.50				

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268C: Knox-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
268D2: Knox-----	85	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
268E2: Knox-----	85	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
308: Wadena-----	90	Not limited		Not limited		Not limited	
308B: Wadena-----	90	Not limited		Not limited		Not limited	
430: Ackmore-----	85	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
485: Spillville-----	85	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Depth to saturated zone Flooding	0.61 0.60	Somewhat limited Flooding	0.60

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485B: Spillville-----	95	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
507: Canisteo-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	0.78				
509B: Marshall-----	100	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
559: Talcot-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
638C2: Clarion-----	70	Somewhat limited Frost action	0.50	Not limited		Not limited	
Storden-----	25	Somewhat limited Frost action	0.50	Not limited		Not limited	
638D2: Clarion-----	60	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Frost action	0.50				
Storden-----	35	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Frost action	0.50				

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639C: Salida-----	40	Not limited		Not limited		Very limited Droughty Gravel content	1.00 0.12
Storden-----	30	Somewhat limited Frost action	0.50	Not limited		Not limited	
639D: Salida-----	40	Somewhat limited Slope	0.84	Somewhat limited Slope	0.84	Very limited Droughty Slope Gravel content	1.00 0.84 0.12
Storden-----	30	Somewhat limited Slope Frost action	0.84 0.50	Somewhat limited Slope	0.84	Somewhat limited Slope	0.84
733: Calco-----	85	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
822D3: Lamoni-----	90	Very limited Low strength Shrink-swell Slope Frost action Depth to saturated zone	1.00 1.00 0.63 0.50 0.19	Very limited Depth to saturated zone Slope Too clayey	1.00 0.63 0.08	Somewhat limited Slope Depth to saturated zone	0.63 0.19
823: Ridgeport-----	85	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.22

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924D2: Burchard-----	60	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
Adair-----	25	Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone	1.00 1.00 1.00 0.63 0.19	Very limited Depth to saturated zone Slope Too clayey	1.00 0.63 0.41	Somewhat limited Slope Depth to saturated zone	0.63 0.19
924E2: Burchard-----	70	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope	1.00	Very limited Slope	1.00
Adair-----	20	Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone	1.00 1.00 1.00 1.00 0.19	Very limited Slope Depth to saturated zone Too clayey	1.00 1.00 0.41	Very limited Slope Depth to saturated zone	1.00 0.19
993D2: Gara-----	70	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63

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Armstrong-----	25	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.63
		Low strength	1.00	Slope	0.63	Depth to saturated zone	0.19
		Shrink-swell Slope	1.00 0.63	Too clayey	0.32		
		Depth to saturated zone	0.19				
993E2: Gara-----	70	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength	1.00	Depth to saturated zone	0.16		
		Shrink-swell Frost action	0.50 0.50				
Armstrong-----	25	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.63
		Low strength	1.00	Slope	0.63	Depth to saturated zone	0.19
		Shrink-swell Slope	1.00 0.63	Too clayey	0.32		
		Depth to saturated zone	0.19				
2315: Fluvaquents-----	85	Very limited Not Rated (miscellaneous unit)	1.00	Very limited Slope	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Slope	1.00
		Slope	1.00	Not Rated (miscellaneous unit)	1.00	Depth to saturated zone	1.00
		Flooding	1.00	cutbanks cave	0.90	Not Rated (miscellaneous unit)	1.00
				Flooding	0.80	Droughty	1.00

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5010: Pits-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	100	Very limited Not Rated (miscellaneous unit) Slope	1.00 1.00	Very limited Slope Not Rated (miscellaneous unit)	1.00 1.00	Very limited Slope Not Rated (miscellaneous unit)	1.00 1.00
		Low strength	1.00				